3134

PIONEER

Service Manual

ORDER NO.
CRT-345-0

POWER LEVEL INDICATOR

RD-150 E

SPECIFICATIONS

Display	dB	–20	–15	–10	–7	–5	–3	–1	0	1	3	5	8
(W)	LOW level	0.001	0.003	0.01	0.02	0.03	0.05	0.08	0.1	0.13	0.21	0.33	0.67
	HIGH level	0.03	0.11	0.34	0.67	1.07	1.7	2.7	3.4	4.3	6.6	10.5	21
For BPTL amp (W)	LOW Level	0.004	0.012	0.04	0.08	0.12	0.2	0.32	0.4	0.52	0.84	1.32	2.68
	HIGH Level	0.12	0.44	1.36	2.68	4.28	6.8	10.8	13.6	17.2	26.4	42	84

- Power consumption . . . . . 160mA (with all LEDs lit)

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D-150

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1. INSTALLATION

- Install in a location that will not interfere with vehicle operation.
- Do not install in a location where the unit will be exposed to direct sunlight or rain.

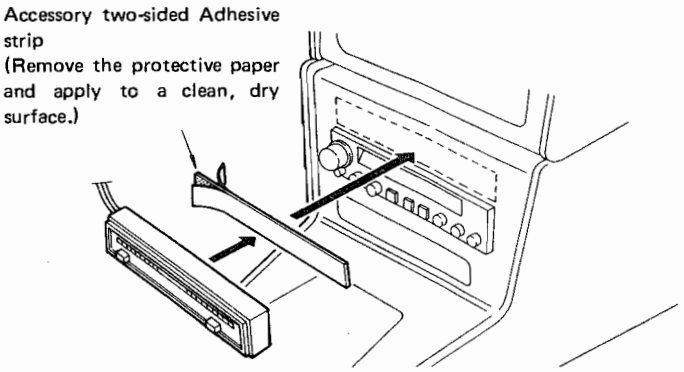


Fig. 1

2. OPERATION

Press the DISPLAY button to turn the unit on. (Panel lights will illuminate.)

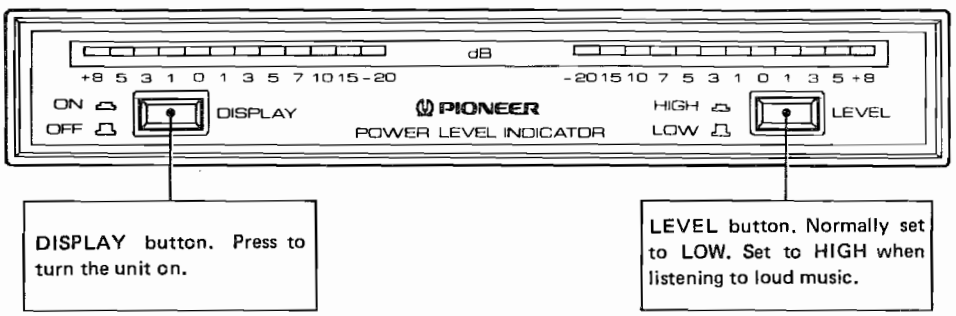

dB
+8 5 3 1 0 1 3 5 7 10 15 -20
-20 15 10 7 5 3 1 0 1 3 5 +8
ON
OFF
DISPLAY
PIONEER
POWER LEVEL INDICATOR
HIGH
LOW
LEVEL
DISPLAY button. Press to turn the unit on.
LEVEL button. Normally set to LOW. Set to HIGH when listening to loud music.

Fig. 2

3. CONNECTION

• FOR A COMPONENT CAR STEREO (WITH A BLUE LEAD WIRE)

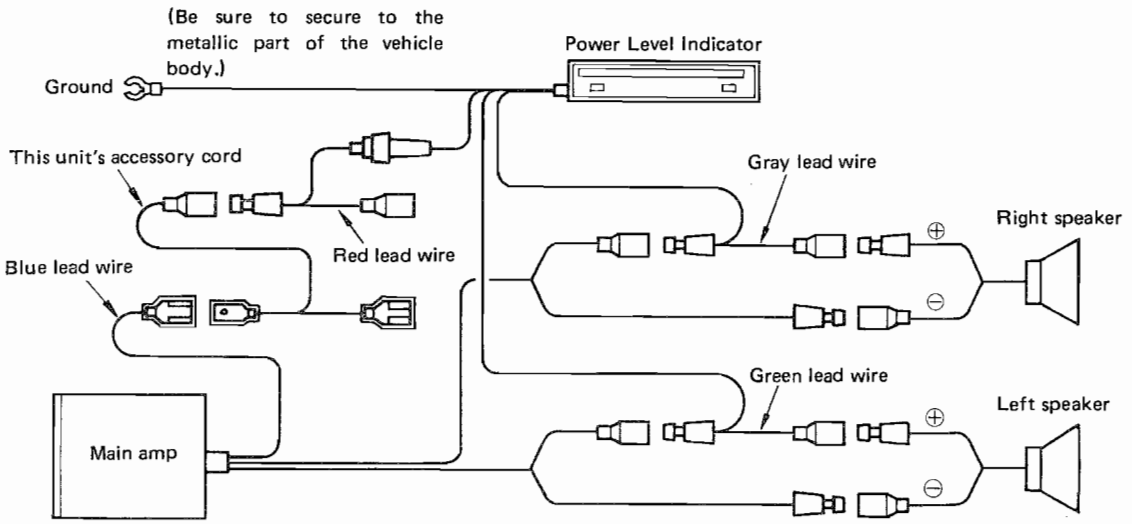


Fig. 3

• FOR A REGULAR CAR STEREO OR A COMPONENT CAR STEREO WITHOUT A BLUE LEAD WIRE ON THE AMP

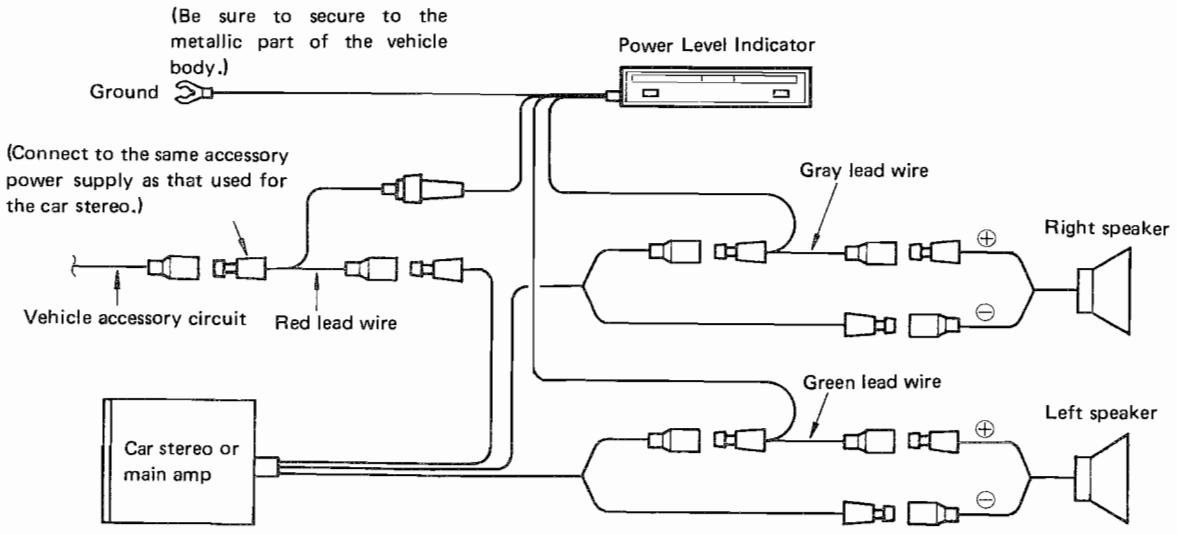
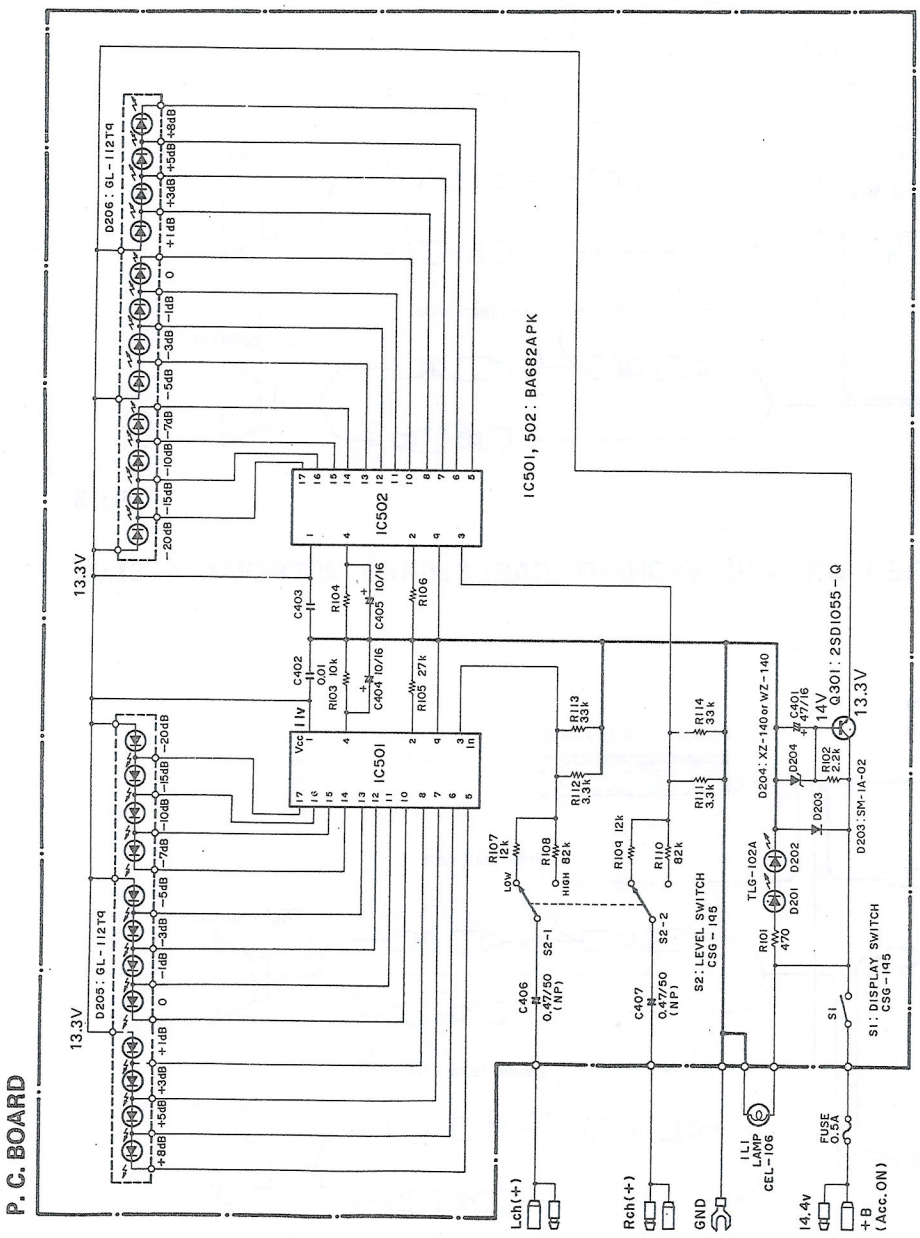
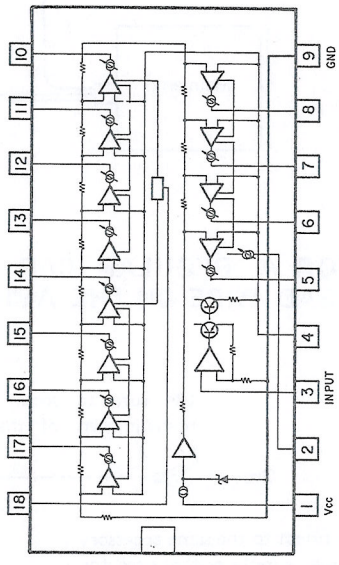

(Be sure to secure to the metallic part of the vehicle body.)
Ground
Power Level Indicator
(Connect to the same accessory power supply as that used for the car stereo.)
Gray lead wire
Right speaker
Vehicle accessory circuit
Red lead wire
Green lead wire
Left speaker
Car stereo or main amp

Fig. 4

4. SCHEMATIC CIRCUIT DIAGRAM





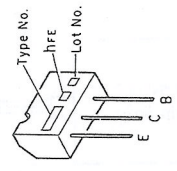


Fig. 5

5. CONNECTION DIAGRAM

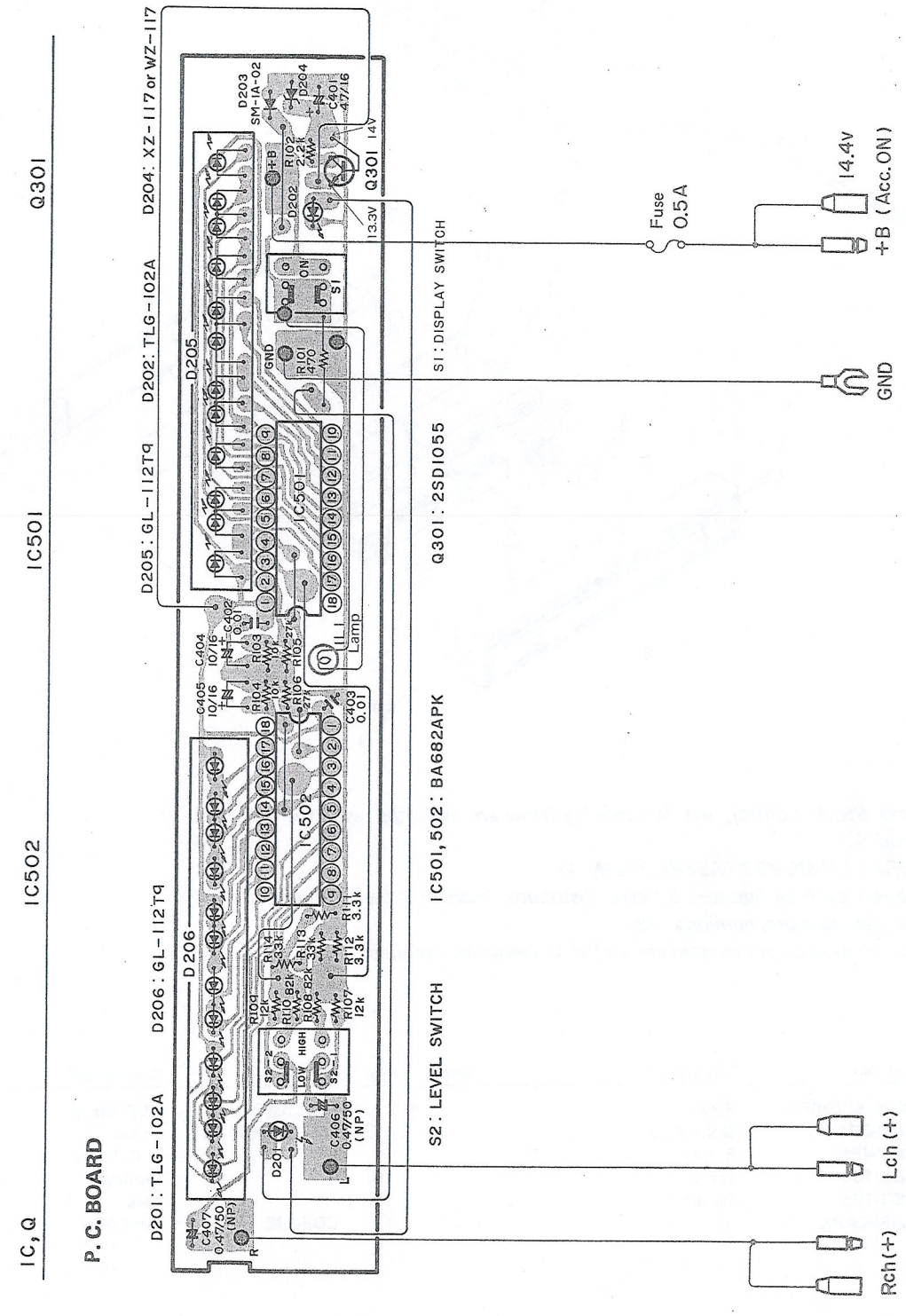


Fig. 6

6. EXPLODED VIEW

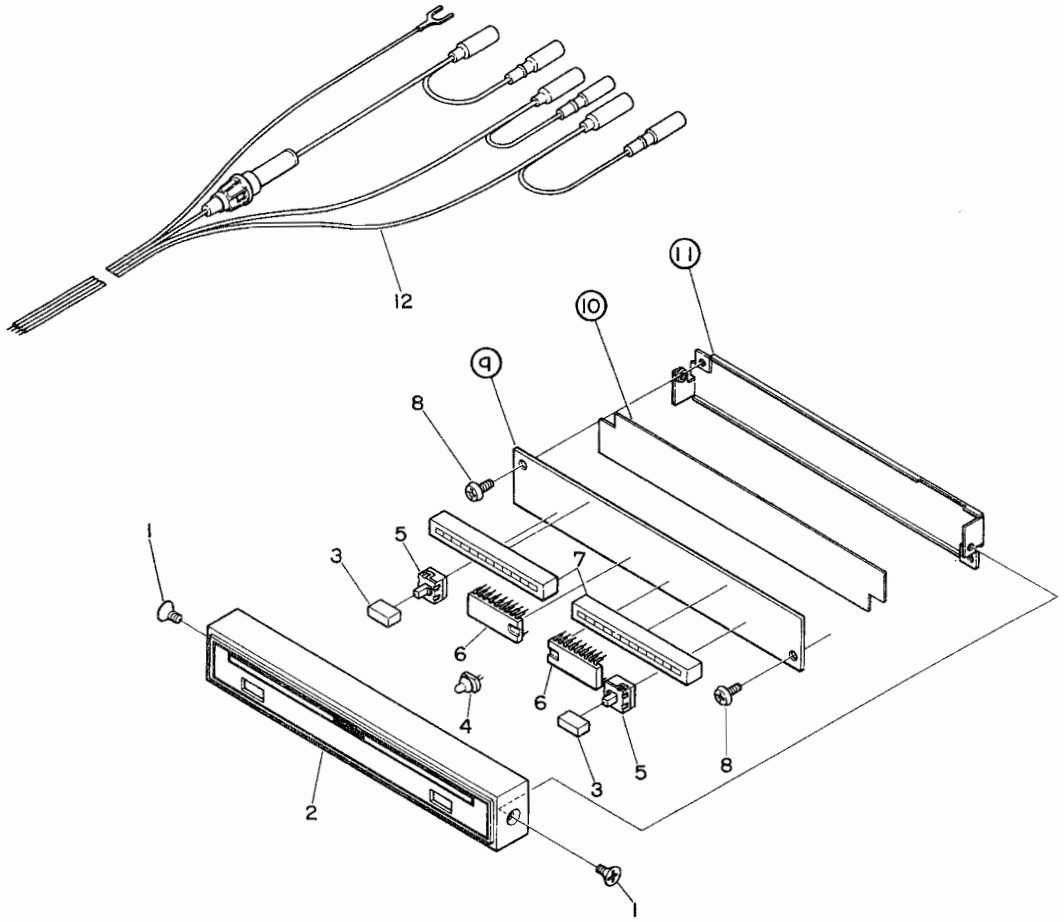


Fig. 7

NOTE:

- *For your parts Stock Control, the fast moving items are indicated with the marks ★ ★ and ★.*
  ★ ★: GENERALLY MOVES FASTER THAN ★.
  This classification shall be adjusted by each distributor because it depends on model number, temperature, humidity, etc.
- *Parts whose parts numbers are omitted are subject to being not supplied.*

● Parts List

Mark	No.	Part No.	Description	Mark	No.	Part No.	Description
	1.	CMZ26P030FNi	Screw	★	7.	GL-112T9	LED Array
	2.	CXC-624	Grille Assy		8.	PMZ26P040FZK	Screw
☆	3.	CAC-455	Button		9.		P. C. Board
★★	4.	CEL-106	Lamp		10.		Insulator
☆☆	5.	CSG-195	Switch		11.		Case
☆☆	6.	BA682APK	IC		12.	CDF-148	Cord Assy

7. PACKING METHOD

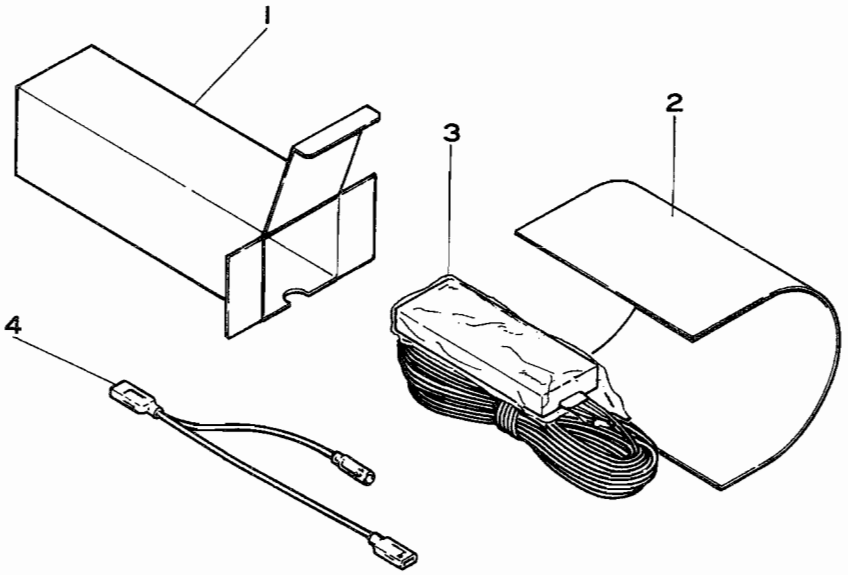


Fig. 8

● Parts List

Mark	No.	Part No.	Description
	1.	CHD-092	Carton
	2.	CRD-346	Owner's Manual
	3.	CEG-183	Cover
		CNM-826	Seal
	4.	CDF-163	Connector

8. ELECTRICAL PARTS LIST

NOTE:
When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω	*56 × 10¹*	*561*	*RD1/4PS 5 6 1 J*
47kΩ	*47 × 10³*	*473*	*RD1/4PS 4 7 3 J*
0.5Ω	*0R5*		*RN2H 0 R 5 K*
1Ω	*010*		*RS1P 0 1 0 K*

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ	*562 × 10¹*		*RN1/4SR 5 6 2 1 F*

- *For your parts Stock Control, the fast moving items are indicated with the marks ★★ and ★.*
  ★★: GENERALLY MOVES FASTER THAN ★.
  This classification shall be adjusted by each distributor because it depends on model number, temperature, humidity, etc.
- *Parts whose parts numbers are omitted are subject to being not supplied.*

P. C. Board

MISCELLANEOUS

Mark	Symbol & Description		Part No.
★★	IC501, IC502		BA682APK
★★	Q301		2SD1055-Q
★	D201, D202	LED	TLG-102A
★	D203		SM-1A-02
★	D204		XZ-140 or WZ-140
★	D205, D206	LED Array	GL-112T9
★★	S1, S2	Switch	CSG-195
★★	IL1	Lamp	CEL-106

RESISTORS

Mark	Symbol & Description	Part No.
	R101	RD1/2PS□□□J
	R102–R114	RD1/6PS□□□J

CAPACITORS

Mark	Symbol & Description	Part No.
	C401	CEA 470M 16LL
	C402, C403	CKDBC 103K 25
	C404, C405	CEA 100M 16LL
	C406, C407	CEA R47M 50NP